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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	15	Attorney Docket Number	
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Complete if Known

Application Number	10/619, 413
Filing Date	July 16, 2003
First Named Inventor	Handelman
Group Art Unit	2874
Examiner Name	Juliana Kang

U.S. PATENT DOCUMENTS						
Examiners Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	4,626,075		Chemla	12-02-1986	
	AB	4,726,010		Ali et al	02-16-1988	
	AC	5,170,273		Nishio	12-08-1992	
	AD	5,191,457		Yamazaki	03-02-1993	
	AE	5,194,977		Nishio	03-16-1993	
	AF	5,319,484		Jacob et al	06-07-1994	
	AG	5,325,222		Jacob et al	06-28-1994	
	AH	5,416,625		Cavaciuti et al	05-16-1995	
	AI	5,452,115		Tomioka	09-19-1995	
	AJ	5,457,687		Newman	10-10-1995	
	AK	5,557,439		Alexander et al	09-17-1996	
	AL	5,680,490		Cohen et al	10-21-1997	
	AM	5,712,932		Alexander et al	01-27-1998	
	AN	5,724,167		Sabella	03-03-1998	
	AO	5,739,935		Sabella	04-14-1998	
	AP	5,774,244		Tandon et al	06-30-1998	
	AQ	5,867,289		Gertsel et al	02-02-1999	
	AR	5,953,138		Ellis	09-14-1999	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AS	Mining the optical bandwidth for a terabit per second, Alan Eli Willner, IEEE Spectrum, April 1997, Pages 32-41	
	AT	Record data-transmission rate reported at ECOC '96, Laser Focus World, November 1996, pages 40-42	

Examiner Signature	<i>Juliana Kang</i>	Date Considered	4/1/05
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ³ See attached Kinds of U.S. Patent Documents. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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Sheet

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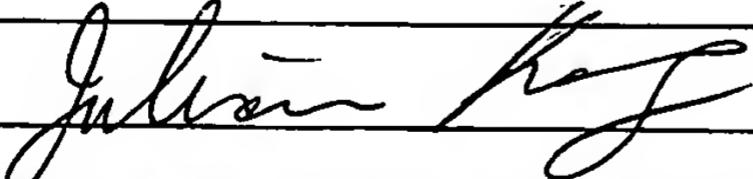
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Examiner Name	Juliana Kana
Attorney Docket Number	

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	AU	6,023,360		Morioka et al	02-08-2000	
	AV	6,108,112		Touma	8-22-2000	
	AW	6,204,944		Uchiyama et al	03-20-2001	
	AX	6,233,082		Johnson	05-15-2001	
	AY	6,288,808		Lee et al	09-11-2001	
	AZ	6,314,115		Delfyett et al	11-06-2001	
	BA	6,374,087		Gressent et al	04-16-2002	
	BB	6,404,522		Handelman	06-11-2002	
	BC	6,574,018		Handelman	06-03-2003	
	BD	2002/0048067		Handelman et al	04-25-2002	
	BE	2003/0043430		Handelman	03-06-2003	
	BF	2003/0048506		Handelman	03-13-2003	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	BG	Multiple wavelengths exploit fiber capacity, Eric J. Lerner, Laser Focus World, July 1997, pages 119-125
	BH	Advances in dense WDM push diode-laser design, Diana Zankowsky, Laser Focus World, August 1997, pages 167-171
	BI	Multistage amplifier provides gain across 80 nm, Kristin Lewotsky, Laser Focus World, September 1997, pages 22-24
	BJ	Optical switching promises cure for telecommunications logjam, Jeff Hecht, Laser Focus World, September 1998, pages 69-72
	BK	Optical Switches Ease Bandwidth Crunch, EuroPhotonics, Rien Flipse, August/September 1998, pages 44-45

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Sheet	3	of	15	Attorney Docket Number	Complete if Known
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Application Number 10/619, 413

Filing Date July 16, 2003

First Named Inventor Handelman

Group Art Unit 2814

Examiner Name Juliana Kamog

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	
<i>JK</i>	BL	Speed Demons: Is 'Faster' Better and Cheaper? Stephanie A. Weiss, Photonics Spectra, February 1999, pages 96-102	
<i>JK</i>	BM	Wavelength Lockers Keep Lasers in Line, Ed Miskovic, Photonics Spectra, February 1999, pages 104-110	
<i>JK</i>	BN	Optical switches pursue crossconnect markets, Hassaun Jones-Bey, Laser Focus World, May 1998, pages 153-162	
<i>JK</i>	BO	Demand triggers advances in dense WDM components, Raymond Nering, Optoelectronics World, September 1998, pages S5-S8	
<i>JK</i>	BP	Optical Networks Seek Reconfigurable Add/Drop Options, Hector E. Escobar, Photonics Spectra, December 1998, pages 163-167	
<i>JK</i>	BQ	Ultrafast Optical Switch Unveiled, Photonics Spectra, Michael D. Wheeler, December 1998, page 42	
<i>JK</i>	BR	Data Express, Gigabit Junction with the Next-Generation Internet, John Collins et al, IEEE Spectrum, February 1999, pages 18-25	
<i>JK</i>	BS	Designing Broadband Fiber Optic Communication Systems, Juan F. Lam, Communication Systems Design, February 1999	
<i>JK</i>	BT	Terabit/second-transmission demonstrations make a splash at OFC '96, Laser Focus World, April 1996, page 13	
<i>JK</i>	BU	Multigigabit Networks: The Challenge, Claude Rolland et al., IEEE LTS, May 1992, pages 16-26	

Examiner Signature	<i>Juliana Kamog</i>	Date Considered	4/1/05
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Application Number	10/619, 413
Filing Date	July 16, 2003
First Named Inventor	Handelman
Group Art Unit	2874
Examiner Name	Juliana Kang

Sheet 4 Of 15 Attorney Docket Number

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>JK</i>	BV	Direct Detection Lightwave Systems: Why Pay More? Paul Green et al., IEEE LCS, November 1990, pages 36-49
<i>JK</i>	BW	Photonics in Switching, Scott Hinton, IEEE LTS, August 1992, pages 26-35
<i>JK</i>	BX	Advanced Technology for Fiber Optic Subscriber Systems, Hiromu Toba et al., IEEE LTS, November 1992, pages 12-18
<i>JK</i>	BY	Fiber amplifiers expand network capacities, Eric J. Lerner, Laser Focus World, August 1997, pages 85-96
<i>JK</i>	BZ	Technologies for Local-Access Fiber, Yukou Mochida, IEEE Communications Magazine, February 1994, pages 64-73
<i>JK</i>	CA	Wavelength Assignment in Multihop Lightwave Networks, Aura Ganz et al., IEEE Transactions on Communications, Vol. 42, No. 7, July 1994, pages 2460-2469
<i>JK</i>	CB	Wavelength-Division Switching Technology in Photonic Switching Systems, Suzuki et al., IEEE International Conference on Communications, ICC 1990, pages 1125-1129
<i>JK</i>	CC	Branch-Exchange Sequences for Reconfiguration of Lightwave Networks, Labourdette et al., IEEE Transactions on Communications, Vol. 42, No. 10, October 1994, pages 2822-2832
<i>JK</i>	CD	Use of Delegated Tuning and Forwarding in Wavelength Division Multiple Access Networks, Auerbach et al., IEEE Transactions on Communications, Vol. 43, No. 1, January 1995, pages 52-63

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Application Number	10/619, 413
Filing Date	July 16, 2003
First Named Inventor	Handelman
Group Art Unit	2874
Examiner Name	Juliana Kang

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>Jh</i>	CE	Combining gratings and filters reduces WDM channel spacing, Pan and Shi, Optoelectronics World, September 1998, pages S11-S17
<i>Jh</i>	CF	Optical amplifiers revolutionize communications, Laser Focus World, September 1998, pages 28-32
<i>Jh</i>	CG	Variable optical delay circuit using wavelength converters, T. Sakamoto et al, Electronics Letters, Vol. 37, No. 7, 29 March 2001, Pages 454-455
<i>Jh</i>	CH	Design and Cost Performance of the Multistage WDM-PON Access Networks, Guido Maier et al., Journal of Lightwave Technology, Vol. 18, No. 2, February 2000, pages 125-143
<i>Jh</i>	CI	Polarization Insensitive Widely Tunable All-Optical Clock Recovery Based on AM Mode-Locking of a Fiber Ring Laser, IEEE Photonics Technology Letters, Vol. 12, No. 2, February 2000, pages 211-213
<i>Jh</i>	CJ	Ultra-High-Speed PLL-Type Clock Recovery Circuit Based on All-Optical Gain Modulation in Traveling-Wave Laser Diode Amplifier, Satoshi Kawanishi et al., Journal of Lightwave Technology, Vol. 11, No. 12, December 1993, pages 2123-2129
<i>Jh</i>	CK	All-optical networks need optical switches, Jeff Hecht, Laser Focus World, May 2000, pages 189-196
<i>Jh</i>	CL	Photons at Work: Optical Networks on The Rise, Lee Goldberg, Electronic Design, March 22, 1999, pages 56-66
<i>Jh</i>	CM	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 46, pages 622-649

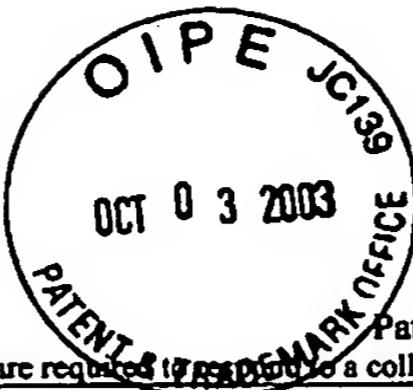
Examiner Signature	<i>Juliana Kang</i>	Date Considered	4/7/05
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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<i>JL</i>	CN	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 51, pages 686-700	
<i>JL</i>	CO	Picosecond-Accuracy All-Optical Bit Phase Sensing Using a Nonlinear Optical Loop Mirror, Hall et al., IEEE Photonics Technology Letters, Vol. 7, No. 8, August 1995, pages 935-937	
<i>JL</i>	CP	An Ultrafast Variable Optical Delay Technique, Hall et al., IEEE Photonics Technology Letters, Vol. 12, No. 2, February 2000, pages 208-210	
<i>JL</i>	CQ	Prescaled 6.3 GHz clock recovery from 50 Gbit/s TDM optical signal with 50 GHz PLL using four-wave mixing in a traveling-wave laser diode optical amplifier, Electronics Letters, 12 May 1994, Vol. 30, No. 10, pages 807-809	
<i>JL</i>	CR	Variable optical delay line with diffraction-limited autoalignment, Klovekorn and Munch, Applied Optics, 1 April 1998, Vol. 37, No. 10, pages 1903-1904	
<i>JL</i>	CS	Compact 40 Gbit/s optical demultiplexer using a GaInAsP optical amplifier, Electronics Letters, 25 November 1993, Vol. 29, No. 24, pages 2115-2116	
<i>JL</i>	CT	Lucent Upgrades WaveStar to 320-Channel, 800-Gb/s Transmission; Chalmers Develops 49-dB Optical Parametric Amplifier, Photonics Spectra, June 2000, page 46	
<i>JL</i>	CU	Bit-Rate Flexible All-Optical Demultiplexing Using a Nonlinear Optical Loop Mirror, Patrick et al., Electronics Letters, 15 April 1993, Vol. 29, No. 8, pages 702-703	
<i>JL</i>	CV	All-Optical High Speed Demultiplexing with a Semiconductor Laser Amplifier in a Loop Mirror Configuration, Eiselt et al., Electronics Letters, 24 June 1993, Vol. 29, No. 13, pages 1167-1168	

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Group Art Unit	2814
Examiner Name	Juliana Kang

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<i>Jh</i>	CW	Single interferometer demultiplexes 40 Gbit/s optical-time-division-multiplexed signal, Laser Focus World, November 1999, page 11
<i>Jh</i>	CX	Fiber-Optic Chips Multiplex 16 T1/E1 Channels Over One Cable, Electronic Design, April 17, 2000, page 46
<i>Jh</i>	CY	Analysis and Dimensioning of Switchless Networks for Single-Layer Optical Architecture, Binetti et al., Journal of Lightwave Technology, Vol. 18., No. 2, February 2000, pages 144-153
<i>Jh</i>	CZ	100-Gbit/s bitwise logic, Hall et al., Optics Letters, Vol. 23, No. 16, August 15, 1998, pages 1271-1273
<i>Jh</i>	DA	An Optical Technique for Bit and Packet Synchronization, Blixt and Bowers, IEEE Photonics Technology Letters, Vol. 7, No. 1, January 1995, pages 123-125
<i>Jh</i>	DB	Double-Spreading Modulation Scheme Picks Up Where CDMA and TDMA Leave Off, Electronic Design, July 10, 2000, pages 28-32
<i>Jh</i>	DC	Transmission of a True Single Polarisation 40 Gbit/s Soliton Data Signal Over 205km Using a Stabilised Erbium Fibre Ring Laser and 40 GHz Electronic Timing Recovery, Ellis et al., Electronics Letters, Vol. 29, No. 11, 27 May 1993, pages 990-992
<i>Jh</i>	DD	Time-Stretch Methods Capture Fast Waveforms, Jalali et al., Microwaves & RF, April 1999, pages 62-69
<i>Jh</i>	DE	The Fiber-Optic Subscriber Network in Japan, Wakui, IEEE Communications Magazine, February 1994, pages 56-63

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<i>Jh</i>	DF	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 37, pages 513-528			
<i>Jh</i>	DG	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 39, pages 542-553			
<i>Jh</i>	DH	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 40, pages 554-564			
<i>Jh</i>	DI	Architectural and Technological Issues for Future Optical Internet Networks, Listanti, et al., IEEE Communications Magazine, September 2000, pages 82-92			
<i>Jh</i>	DJ	IP over Optical Networks: Architectural Aspects, Rajagopalan, et al., IEEE Communications Magazine, September 2000, pages 94-102			
<i>Jh</i>	DK	Labeled Optical Burst Switching for IP-over-WDM Integration, Chunming Qiao, IEEE Communications Magazine, September 2000, pages 104-114			
<i>Jh</i>	DL	Approaches to Optical Internet Packet Switching, Hunter, et al., IEEE Communications Magazine, September 2000, pages 116-122			
<i>Jh</i>	DM	Photonic Switches: Fast, but Functional?, McCarthy, Photonics Spectra, March 2001, pages 140-150			
<i>Jh</i>	DN	WDM Local Area Networks, Kazovsky et al., IEEE LTS, May 1992, pages 8-15			
<i>Jh</i>	DO	Fiber-based components meet the needs of next-generation amplifiers, Bourgeois, WDM Solutions, March 2001, pages 67-74			
<i>Jh</i>	DP	Spectral equalization keeps optical signals in line, Ashmead, WDM Solutions, January 2001, pages 32-38			
<i>Jh</i>	DQ	Keep Your Photons in Line, Wesson et al., Photonics Spectra, September 1999, pages 102-108			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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				Complete if Known
				Application Number 10/619, 413
				Filing Date July 16, 2003
				First Named Inventor Handelman
				Group Art Unit 2814
				Examiner Name Juliana Kang

Sheet **9** Of **15** Attorney Docket Number

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>JK</i>	DR	Router Promises Faster Switching, Robinson, Photonics Spectra, August 2001, page 24
<i>JK</i>	DS	On a dynamic wavelength assignment algorithm for wavelength routed all-optical networks, Andrei G. Stoica, et al., Optical Networks Magazine, January/February 2002, pages 68 – 80
<i>JK</i>	DT	XOR: A Logical Choice of All-Optical Networks, Perry J. Greenbaum, Photonics Spectra, November 2001, pages 30 - 31
<i>JK</i>	DU	On adaptive routing in wavelength-routed networks, Ching-Fang Hsu, et al., Optical Networks Magazine, January/February 2002, pages 15 – 24
<i>JK</i>	DV	A comparative study of distributed protocols for wavelength reservation in WDM optical networks, Debasish Saha, Optical Networks Magazine, January/February 2002, pages 45-52
<i>JK</i>	DW	A framework for unified traffic engineering in IP over WDM networks, Jinhan Song, et al., Optical Networks Magazine, November/December 2001, pages 28 – 33
<i>JK</i>	DX	Optimization of wavelength allocation in WDM optical buffers, Franco Callegati, et al., Optical Networks Magazine, November/December 2001, pages 66 – 72
<i>JK</i>	DY	A simple dynamic integrated provisioning/protection scheme in IP over WDM networks, Yinghua Ye, et al., IEEE Communications Magazine, November 2001, pages 174 – 182
<i>JK</i>	DZ	Photonic packet switching and optical label swapping, Daniel J. Blumenthal, Optical Networks Magazine, November/December 2001, pages 54 – 65

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<i>Jh</i>	EA	Intelligent Optical Networking for Multilayer Survivability, Sophie de Maesschalck, et al., IEEE Communications Magazine, January 2002, pages 42 – 49
<i>Jh</i>	EB	Crystal slows and stops light, John Wallace, Laser Focus World, February 2002, Vol. 38, No. 2, pages 36 – 37
<i>Jh</i>	EC	Decision feedback loop compensates at 10 Gbit/s, Hassaan Jones-Bey, Laser Focus World, May 2000, pages 65 - 67
<i>Jh</i>	ED	Alcatel Displays 1.6-Tb/s Transmission, Photonics Spectra, December 2001, page 18
<i>Jh</i>	EE	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 61, pages 832-847
<i>Jh</i>	EF	The Communications Handbook, Jerry D. Gibson, 1997, CRC Press, Inc., Chapter 65, pages 883-890
<i>Jh</i>	EG	Optical Signal Processing for Optical Packet Switching Networks, Blumenthal et al, IEEE Optical Communications, February 2003, pages S23 – S29
<i>Jh</i>	EH	100-km Negative-Dispersion Fiber Carries 10 Gb/s, Gaughan, Photonics Spectra, November 2001, page 42
<i>Jh</i>	EI	Managing Polarization Mode Dispersion, Chbat, Photonics Spectra, June 2000, pages 100 – 104
<i>Jh</i>	EJ	Dynamic Dispersion Compensation: When and Where Will It Be Needed? Huff et al., Photonics Spectra, December 2001, pages 122 – 125
<i>Jh</i>	EK	Dispersion management is vital for high-speed systems, Jeff Hecht, Laser Focus World, July 2001, pages 79 – 83
<i>Jh</i>	EL	Tunable compensators master chromatic-dispersion impairments, Alan Willner, WDM Solutions, July 2001, pages 51 – 58

Examiner Signature	<i>Juliana Kang</i>	Date Considered	4/9/05
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				Filing Date July 16, 2003
				First Named Inventor Handelman
				Group Art Unit 2814
				Examiner Name Juliana Kang
				Attorney Docket Number

Sheet	11	of	15	Attorney Docket Number
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<i>JL</i>	EM	Dispersion Compensation Gratings for the C-Band, Brennan, Photonics Spectra, June 2001, Pages 159 – 165
<i>JL</i>	EN	Hot rubidium slows light speed to 90 m/s, Kash, Laser Focus World, August 1999, page 11
<i>JL</i>	EO	Network demonstrates 1500-km unregenerated transmission at 40 Gbit/s, Hamre, Laser Focus World, July 2001, page 11
<i>JL</i>	EP	Electroholographic switches are fast and compact, Agranat, Laser Focus World, May 2001, pages 109 – 111
<i>JL</i>	EQ	Switch based on SOA achieves femtosecond switching, Nakamura, Laser Focus World, September 2001, page 9
<i>JL</i>	ER	Next-generation networks may benefit from SOAs, Young, Laser Focus World, September 2001, pages 73 – 79
<i>JL</i>	ES	All-optical converters promise improved networks, Jeff Hecht, Laser Focus World, April 2001, pages 159 – 164
<i>JL</i>	ET	Novel VOAs provide more speed and utility, Stephen Cohen, Laser Focus World, November 2000, pages 139 – 146
<i>JL</i>	EU	Array-based VOAs offer compact signal control, Nigel Cockroft, WDM Solutions, June 2001, pages 81 – 85
<i>JL</i>	EV	Semiconductor Optical Amplifier-Based All-Optical Gates for High-Speed Optical Processing, Kristian E. Stubkjaer, IEEE Journal on Selected Topics in Quantum Electronics, Vol. 6, No. 6, November/December 2000, pages 1428 – 1435
<i>JL</i>	EW	All-optical switching for high bandwidth optical networks, M. J. Potasek, Optical Networks Magazine, November/December 2002, pages 30 - 43

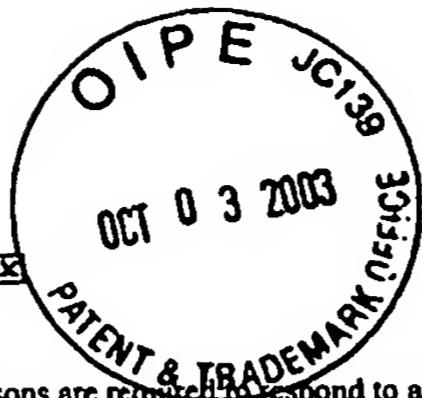
Examiner Signature	<i>Juliana Kang</i>	Date Considered	<i>4/9/05</i>
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				Filing Date July 16, 2003
				First Named Inventor Handelman
				Group Art Unit 2814
				Examiner Name Juliana Kang
				Attorney Docket Number

Sheet **12** of **15**

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<i>Jh</i>	EX	80Gbit/s all-optical regenerative wavelength conversion using semiconductor optical amplifier based interferometer, Kelly et al, Electronics Letters, Vol. 35, No. 17, 19 August 1999, pages 1477 – 1478	
<i>Jh</i>	EY	Demultiplexing of 168-Gb/s Data Pulses with a Hybrid-Integrated Symmetric Mach-Zehnder All-Optical Switch, Nakamura et al, IEEE Photonics Technology Letters, Vol. 12, No. 4, April 2000, pages 425 – 427	
<i>Jh</i>	EZ	All-Optical 2R Regeneration Based on Polarization Rotation in a Linear Optical Amplifier, Zhao et al, IEEE Photonics Technology Letters, Vol. 15, No. 2, February 2003, pages 305 – 307	
<i>Jh</i>	FA	All-Optical Data Format Conversion Between RZ and NRZ Based on a Mach-Zehnder Interferometric Wavelength Converter, Xu et al, IEEE Photonics Technology Letters, Vol. 15, No. 2, February 2003, pages 308 - 310	
<i>Jh</i>	FB	All-optical wavelength converter scheme for high speed RZ signal formats, Mikkelsen et al, Electronics Letters, Vol. 33, No. 25, 4 December 1997, pages 2137 – 2139	
<i>Jh</i>	FC	Penalty-Free Error-Free All-Optical Data Pulse Regeneration at 84 Gb/s by Using a Symmetric-Mach-Zehnder-Type Semiconductor Regenerator, Ueno et al, IEEE Photonics Technology Letters, Vol. 13, No. 5, May 2001, pages 469 – 471	
<i>Jh</i>	FD	40-Gb/s All-Optical Wavelength Conversion, Regeneration, and Demultiplexing in an SOA-Based All-Active Mach-Zehnder Interferometer, Wolfson et al, IEEE Photonics Technology Letters, Vol. 12, No. 3, March 2000, pages 332 - 334	

Examiner Signature	<i>Juliana Kang</i>	Date Considered	4/7/05
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<i>Jh</i>	FE	Compensation fibre chromatic dispersion by optical phase conjugation in a semiconductor laser amplifier, Tatham et al, Electronics Letters, Vol. 29, No. 21, 14 October 1993, pages 1851 – 1852			
<i>Jh</i>	FF	All-Optical 2R Regeneration of 40-Gb/s Signal Impaired by Intrachannel Four-Wave Mixing, Su et al, IEEE Photonics Technology Letters, Vol. 15, No. 2, February 2003, pages 350 – 352			
<i>Jh</i>	FG	1-Tb/s 16-b All-Optical Serial-to-Parallel Conversion Using a Surface-Reflection Optical Switch, Takahashi et al, IEEE Photonics Technology Letters, Vol. 15, No. 2, February 2003, pages 287 – 289			
<i>Jh</i>	FH	Wavelength Switching Components for Future Photonic Networks, White et al., IEEE Communications Magazine, September 2002, pages 74 – 81			
<i>Jh</i>	FI	Ultrafast (200-fs Switching, 1.5-Tb/s Demultiplexing) and High-Repetition (10GHz) Operations of a Polarization-Discriminating Symmetric Mach-Zehnder All-Optical Switch, Nakamura et al, in IEEE Photonics Technology Letters, Vol. 10, No. 11, November 1998, pages 1575 – 1577			
<i>Jh</i>	FJ	Ultrafast high-contrast all-optical switching using spin polarization in low-temperature-grown multiple quantum wells, Takahashi et al, Applied Physics Letters, Vol. 77, No. 19, 6 November 2000, pages 2958 – 2960			
<i>Jh</i>	FK	Compensation for channel dispersion by nonlinear optical phase conjugation, Yariv et al, Optics Letters, Vol. 4, No. 2, February 1979, pages 52 - 54			
<i>Jh</i>	FL	Architecture of Ultrafast Optical Packet Switching Ring Network, Takada et al, Journal of Lightwave Technology, Vol. 20, No. 12, December 2002, pages 2306 – 2315			

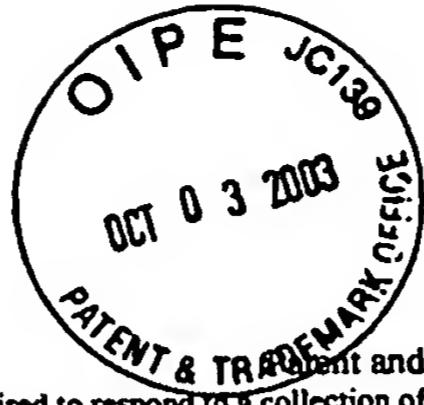
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Application Number	10/619, 413
Filing Date	July 16, 2003
First Named Inventor	Handelman
Group Art Unit	2874
Examiner Name	Juliana Kang

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<i>Jh</i>	FM	Monolithically Integrated 2 x 2 InGaAsP/InP Laser Amplifier Gate Switch Arrays, Janson et al, Electronics Letters, Vol. 28, No. 8, 9 April 1992, pages 776 – 778
<i>Jh</i>	FN	Monolithically Integrated 4 x 4 InGaAsP/InP Laser Amplifier Gate Switch Arrays, Gustavsson et al, Electronics Letters, Vol. 28, No. 24, 19 November 1992, pages 2223 – 2225
<i>Jh</i>	FO	All-Optical Triode Based on a Tandem Wavelength Converter Using Reflective Semiconductor Optical Amplifiers, Maeda et al, IEEE Photonics Technology Letters, Vol. 15, No. 2, February 2003, pages 257 – 259
<i>Jh</i>	FP	160-Gb/s Optical-Time-Division Multiplexing With PPLN Hybrid Integrated Planar Lightwave Circuit, Ohara et al, IEEE Photonics Technology Letters, Vol. 15, No. 2, February 2003, pages 302 – 304
<i>Jh</i>	FQ	Low-temperature-grown surface-reflection all-optical switch (LOTOS), Ryo Takahashi, Optical and Quantum Electronics, Vol. 33, 2001, pages 999 - 1017
<i>Jh</i>	FR	Ultrafast 168 GHz 1.5 ps 1 fJ Symmetric-Mach-Zehnder-Type All-Optical Semiconductor Switch, Ueno et al, Japan Journal of Applied Physics, Vol. 39 (2000) pages L806 – L808, Part 2, No. 8A, 1 August 2000
<i>Jh</i>	FS	Semiconductor Arrayed Waveguide Gratings for Photonic Integrated Devices, Yuzo Yoshikuni, IEEE Journal of Selected Topics in Quantum Electronics, Vol. 8, No. 6, November/December 2002, pages 1102 – 1114
<i>Jh</i>	FT	N X N Arrayed Waveguide Gratings With Improved Frequency Accuracy, Bernasconi et al, IEEE Journal of Selected Topics in Quantum Electronics, Vol. 8, No. 6, November/December 2002, pages 1115 - 1121

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Sheet 15 of 15

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Filing Date	July 16, 2003
First Named Inventor	Handelman
Group Art Unit	2814
Examiner Name	Julianna Kang
Attorney Docket Number	

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